

INTELLIGENT VEHICLE ACCESS CONTROL SYSTEM

ABSTRACT

An apparatus for the automatic inspection of a motor vehicle has an identification and psychological profiling zone, an automatic inspection zone and a manual inspection zone. A biometric and heart rate detection station and an attached console are located in zone one. Undercarriage scanning equipment and an explosives detection portal are located in zone two. The apparatus also has one or more fixed cameras, an alarm or other alerting mechanisms and a physical barrier. A vehicle detection mechanism detects the entry of a vehicle into zone two and captures an image of the vehicle number plate. When the captured biometric data and number plate data indicate that the driver is authorized to drive the particular vehicle into the secured zone, and if no abnormalities or foreign objects in the undercarriage image are detected, the driver is allowed to proceed.